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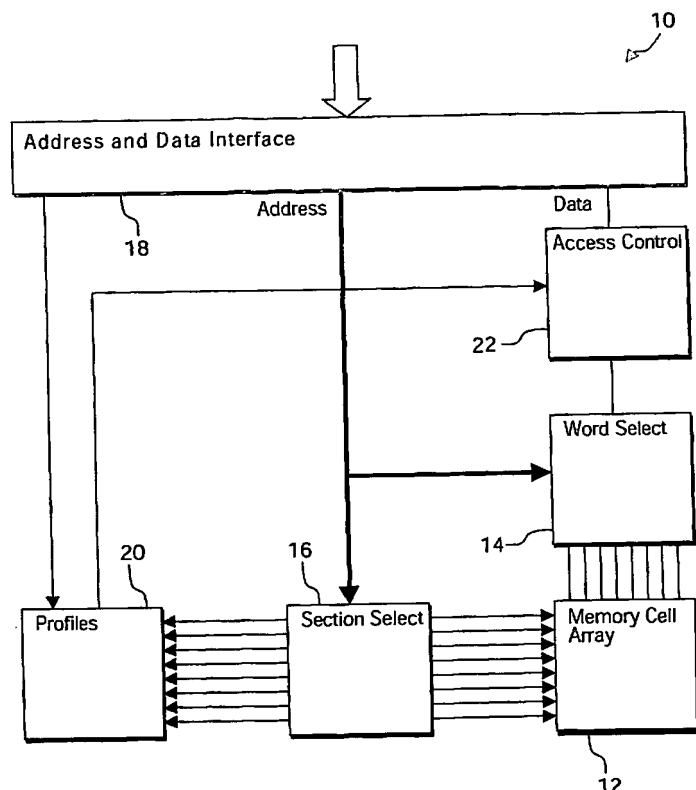
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(54) Title: UNIVERSAL MEMORY DEVICE HAVING A PROFIL STORAGE UNIT



(57) Abstract: A universal memory device is presented that provides adaptability to existing hardware and software environments. The memory can "mimic" existing memory technology combining the advantages of integration all memory capacity in to one single technology and still providing the implicit protections and access characteristics known from the different existing memory technologies. The memory device comprises a memory having a plurality of low-latency, rewritable, non-volatile memory cells forming at least one memory section, a profile storage unit connected with said memory and comprising access information allocated to at least one set of request information elements (r: quest profile), such that said access information indicates whether a request for access to said memory (access request), said access request having said request profile, is to be allowed or rejected, and an access control unit communicating with said profile storage unit and said memory, and adapted to allow or reject an incoming access request in dependence on the access information allocated to the request profile of the access request.



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